

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS

Claims 1-16 (canceled)

17. (currently amended) A method for inactivation of biocontamination~~deactivation~~ using a combination of at least one vaporous or gaseous chemical~~se~~chemical, the method comprising:

circulating a carrier gas through a closed loop system comprised of a conduit and a region wherein biocontamination inactivation is effected, ~~wherein~~-said conduit ~~[[is]]fluidly~~ connected with the region at an inlet of the region and at an outlet of the region, wherein said ~~circulation of the~~carrier gas is ~~produced~~circulated by a blower disposed within the conduit;

~~generating ozone gas in the conduit, wherein said ozone gas is generated by an ozone generator disposed within the conduit, said ozone generator producing the ozone gas from the gas circulating through the conduit;~~

removing moisture from the carrier gas ~~circulating in the conduit in advance of generating the ozone gas, wherein said moisture is removed by~~ using a drying means disposed in the conduit upstream of ~~[[the]]an~~ ozone generator disposed in the conduit, wherein the drying means removes moisture from all of the carrier gas to be received by the ozone generator;

generating ozone gas using the ozone generator, said ozone generator generating the ozone gas using oxygen molecules in the carrier gas circulating through the conduit, thereby introducing ozone gas into the carrier gas;

generating vaporized hydrogen peroxide using a vaporizer disposed in the conduit downstream of the ozone generator;

introducing vaporized hydrogen peroxide into said carrier gas circulating in said conduit;~~;~~
~~said vaporized hydrogen peroxide produced by a vaporizer disposed within the conduit downstream of the ozone generator; and~~

simultaneously introducing said vaporized hydrogen peroxide and said ozone gas into the region; and

destroying vaporized hydrogen peroxide removed from the region through said outlet, wherein said vaporized hydrogen peroxide is destroyed by a destroyer disposed in the conduit.

Claims 18-19 (canceled)

20. (currently amended) A method according to claim 17, wherein said step of generating ozone gas includes producing an electrical discharge in the presence of the circulating carrier gas.

21. (currently amended) A method according to claim 17, wherein said step of generating ozone gas includes producing ultraviolet light in the presence of the circulating carrier gas.

22. (currently amended) A method according to claim 17, wherein said method further comprises:

monitoring the concentration of the generated ozone gas generated by the ozone generator.

23. (previously presented) A method according to claim 21, wherein said method further comprises:

modifying the concentration of the generated ozone to obtain a predetermined ozone concentration.

24. (previously presented) A method according to claim 17, wherein said method further comprises:

destroying ozone produced by the ozone generator, said ozone destroyed by an ozone destroyer disposed in a supplemental conduit fluidly connected with said conduit downstream of said region.

25. (currently amended) A method according to claim 17, wherein said method further comprises:

heating the ~~circulating-carrier~~ gas, wherein said ~~circulating-carrier~~ gas is heated by a heater located upstream of said vaporizer.

26. (previously presented) A method according to claim 17, wherein said step of destroying includes catalytically decomposing hydrogen peroxide vapor into water and oxygen.

27. (currently amended) A method according to claim 17, wherein said step of ~~drying-removing moisture from the carrier gas~~ includes exposing the carrier gas to using a desiccant to ~~remove moisture~~.

28. (currently amended) A method according to claim 17, wherein said carrier gas circulating in the conduit is ~~a carrier gas that~~ includes air.